

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the method comprising ~~the steps of:~~

~~(a) receiving data signals;~~

accessing a look-up table having a plurality of mappings between each of the data signals and an appropriate control functions for each of the A/V devices;

~~mapping each button on a remote control device to predetermined key codes; and~~

~~(b) translating the received data signals to particular control functions utilizing the look-up table data signals from a selected button to device functions via the PC based on the key codes to control operations of a plurality of A/V device coupled to the PC; and~~

controlling operation of the A/V devices via the PC based on the particular control functions.

2-3. (Canceled).

4. (Currently Amended) The method of claim ~~2-1~~ wherein the device functions further comprises a plurality of CD/DVD and TV/DVR functions.

5. (Currently Amended) A system for remotely controlling a plurality of audio/visual (A/V) devices ~~within a personal computer (PC)~~, the system comprising:

a single remote control device with selectable button for transmitting data signals wirelessly to access control of the plurality of A/V devices;

a connection hardware, coupling the plurality of A/V devices and the PC, for translating the data signals to appropriate control functions, wherein the selectable buttons are automatically associated with the appropriate control functions for a particular A/V device; and

a PC for controlling the plurality of A/V devices utilizing the appropriate control functions;

~~connection hardware coupled to the PC; and~~

~~a remote control device with selectable buttons for transmitting data signals wirelessly to the connection hardware to access control of the plurality of A/V devices.~~

6. (Currently Amended) The system of claim 5 wherein the connection hardware further comprises a tuner box for coupling the plurality of A/V device to the PC.

7. (Currently Amended) The system of claim ~~5~~6 wherein the connection hardware further comprises a graphics board ~~in the PC coupled to the tuner box~~ for translating the data signals to appropriate control functions for selecting and controlling operation of the plurality of A/V devices utilizing a look-up table wherein a first set of the selectable buttons are mapped to

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select one or more A/V devices and a second set of the selectable bottoms are mapped to control operation as a function of the selected one or more A/V devices.

8. (Currently Amended) The system of claim ~~5-7~~ wherein the tuner box ~~further comprising~~ comprises an infrared port receiver ~~in the connection hardware~~ and a register to receive the data signals from the single remote control device and for transferring the received data signals to the graphics board.

9-10. (Canceled).

11. (Currently Amended) The system of claim ~~10-5~~ wherein the control functions comprise ~~action key code~~ further comprises one of a plurality of DVD and DVR functions.

12. (Canceled).

13. (Currently Amended) A method for remotely controlling a plurality of audio/visual (A/V) devices within a personal computer (PC) utilizing ~~a~~ one remote control, the remote control having a plurality of buttons, the method comprising ~~the steps of:~~

~~(a)~~ providing a data signal based upon activating at least one of the plurality of buttons from the one remote control, the at least one button for controlling one of the plurality of A/V devices; ~~and~~

~~(b) translating the data signal to control one of the plurality of A/V devices by providing one of a plurality of CD/DVD and TV/DVR functions~~

determining automatically a control function for a particular A/V device associated with the data signal based on the activated at least one of the plurality of buttons and the particular A/V device; and

providing information for controlling the particular A/V device based on the control function.

14. (Currently Amended) A computer readable medium containing program instructions for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the program instructions for:

accessing a mapping of each button on a remote control device to predetermined key codes, wherein a first set of buttons select operation of one or more A/V devices and a second set of bottoms control operation as a function of the selected A/V device; and

translating automatically data signals from a selected button to device functions via the PC based on the key codes to control operations of a plurality of A/V devices coupled to the PC.

15. (Currently Amended) The computer readable medium of claim 14 further comprising utilizing a look-up table ~~to provide associations between the predetermined key codes and the device functions~~ containing the mappings of each bottom to predetermined key codes for translating the data signals to device functions.

16. (Original) The computer readable medium of claim 15 wherein utilizing a look-up table further comprises providing a button mapping code in the PC.

17. (Original) The computer readable medium of claim 15 wherein the device functions further comprises a plurality of CD/DVD and TV/DVR functions.

18. (Currently Amended) A method for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the method comprising the steps of:

(a) mapping each button on a remote control device to predetermined key codes, wherein a first set of buttons select operation of one or more A/V devices and a second set of bottoms control operation as a function of the selected A/V device; and

(b) storing the mapping in a look-up table;

(c) receiving a first data signal corresponding to a selected one of the first set of buttons;

(d) translating the first data signal signals from a selected button to device functions via the PC based on the key codes to control operations of a plurality to a first control function utilizing the look-up table to select operation of a particular A/V device coupled to the a PC; and

(e) utilizing a look-up table to provide associations between the predetermined key codes and the device functions, wherein a bottom mapping code is utilized within the PC to provide the look-up table

(e) receiving a second data signal corresponding to a selected one of the second set of buttons; and

(f) translating the second data signal to a second control function utilizing the look-up table to control operation of the particular A/V device coupled to the PC, wherein the selected one of the second set of buttons is automatically associated with an appropriate control function for the particular A/V device.

19. (Currently Amended) A system for remotely controlling a plurality of audio/visual (A/V) devices within a personal computer (PC), the system comprising:

~~a PC;~~

~~a tuner box coupled to a graphics board within the PC; and~~

~~a remote control device with selectable buttons for transmitting data signals wirelessly to the tuner box to access control of the plurality of A/V devices, wherein the graphics board translates the data signals to a button number~~

a tuner box, coupled to the PC, the plurality of A/V device and the remote control device, for receiving the data signals for transfer to the PC; and

the PC having a graphics board for automatically translating the data signals to appropriate control functions for selecting and controlling operation of the plurality of A/V devices utilizing a look-up table wherein a first set of the selectable buttons are mapped to select one or more A/V devices and a second set of the selectable bottoms are mapped to control operation as a function of the selected one or more A/V devices.

20. (Currently Amended) A computer readable medium for remotely controlling audio/visual (A/V) devices within a personal computer (PC), the method comprising:

mapping each button on a remote control device to predetermined key codes in a look-up table, wherein a first set of buttons select one or more A/V devices and a second set of buttons control operation of each of the selected A/V devices and wherein a graphical user interface is not necessary;

translating automatically data signals from a selected button the remote control to device functions utilizing the look-up table via the PC based on the key codes to control operations of a plurality of A/V device coupled to the PC, wherein the data signals include one or more of the predetermined key codes; and

controlling selection and operation of the A/V devices via the PC based on the device functionsutilizing a look-up table to provide associations between the predetermined key codes and the device functions, wherein a button mapping code is utilized in the PC to provide the look-up table.

21. (Currently Amended) A system for remotely controlling a plurality of audio/visual (A/V) devices within a personal computer (PC), the system comprising:

~~an infrared port receiver;~~

a tuner box, coupled to a graphics board within the PC and the plurality of A/V devices, having an infrared part receiver and a register for receiving data signals for transfer to the PC;

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~~a remote control device with selectable buttons for translating data signals wirelessly to the infrared port receiver to access control of the plurality of A/V devices wherein the graphics board translates the data signals to a button number; and~~

~~an application driver programming in the PC that utilizes the button number to determine an action key code in one of the plurality of A/V devices~~

the PC having a graphics board including a button mapping software for automatically translating the data signals to appropriate control functions and a software driver for providing information for controlling the plurality of A/V device according to the appropriate control function, wherein a first set of the data signals are mapped to select one or more A/V device and a second set of the data signals are mapped to control operation of the selected one or more A/V devices.

22. (New) The system of Claim 21, further comprising a remote control device with selectable buttons for transmitting the data signals wirelessly to access control of the plurality of A/V devices.